

Title (en)  
Monitoring system for the knotting mechanism of pressed bales.

Title (de)  
Kontrollvorrichtung für das Binden einer Ballenpresse.

Title (fr)  
Dispositif de contrôle du liage de balles d'un matériau pressé.

Publication  
**EP 0342086 A1 19891115 (FR)**

Application  
**EP 89401165 A 19890425**

Priority  
FR 8806402 A 19880511

Abstract (en)  
The monitoring system for the knotting mechanism of bales 8 of material formed on a press equipped with a knotting system comprises, on the one hand, a first finger 22 for detecting the presence of the tie 4 and coming into position above the tie at a distance from the latter, in such a way that the upper horizontal strand 4a of the tie is brought in contact with it during the formation of the bale 8 and progressively lifts it, and, on the other hand, a second finger 20a, 20b for detecting the formation of the knotting loop, which, in the active position, takes its place between the tie 4 and the bale 8 which is capable of being driven by an axle 15 perpendicular to the movement of the tie, in the retracted position, as a result of the passage of the rear vertical strand 4b of the latter, a drive member 16, 17, 18 interacting with the second finger 20a, 20b to cause it to change from its retracted position to its active position in response to the lifting of the first finger by the tie 4, and a signal transmitter 26, 27 being capable of being excited as a result of the rotation of the said axle 15. <IMAGE>

IPC 1-7  
**A01F 15/14**

IPC 8 full level  
**A01F 15/14** (2006.01)

CPC (source: EP US)  
**A01F 15/148** (2013.01 - EP US)

Citation (search report)  
• [Y] US 4196661 A 19800408 - PETERSON WILLIAM C [US], et al  
• [Y] EP 0040970 A2 19811202 - GOSS GORDON E [US], et al  
• [XP] US 4753463 A 19880628 - STROSSER RICHARD P [US]  
• [XP] EP 0286900 A1 19881019 - HESSTON SA [FR]

Cited by  
EP0477479A1; FR2734987A1; EP0561061A1

Designated contracting state (EPC)  
DE GB NL

DOCDB simple family (publication)  
**EP 0342086 A1 19891115**; CA 1314762 C 19930323; DK 224189 A 19891112; DK 224189 D0 19890508; FR 2631209 A1 19891117; FR 2631209 B1 19910607; US 4993317 A 19910219

DOCDB simple family (application)  
**EP 89401165 A 19890425**; CA 598897 A 19890505; DK 224189 A 19890508; FR 8806402 A 19880511; US 34841589 A 19890508